

06-04-01

PTO/SB/05 (11/97)

Approved for use through 9/30/00. OMB 0651-0032

Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box → ☒

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No	2807.2 19	Total Pages	96
First Named Inventor or Application Identifier			
John N. Hait et al			
Express Mail Label No	EL751290535US		

j1046 U.S. PTO  
09/872381

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
- ☒ Applicant claims small entity status. See 37 CFR 1.27
- ☒ Specification *Total Pages* **63**  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross References to Related Application
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) *[Total Sheets]* **31**
- Oath or Declaration *[Total Pages]* ☐
  - ☐ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation /divisional with Box 17 completed)  
[Note Box 5 below]
    - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in prior application, see 37 CFR 1.63(d)(2)  
and 1.33(b).
- ☐ Incorporation by Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy  
of the oath or declaration is supplied under Box 4b is considered  
as being part of the disclosure of the accompanying application  
and is hereby incorporated by reference therein

Assistant Commissioner for Patents  
ADDRESS TO: Box Patent Application  
Washington, DC 20231

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer copy)
  - ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Small Entity ☐ Statement filed in prior application,  
Statement(s) Status still proper and desired
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☒ Other: Express Mail Certificate

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No..

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

28049

or ☐ Correspondence address below

NAME	Hal D Baird		
	PATE PIERCE & BAIRD		
ADDRESS			
CITY		STATE	ZIP
COUNTRY	US	TELEPHONE	(801) 530-5090 FAX (801) 530-5955

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

Please type a plus sign (+) inside this box → ☐

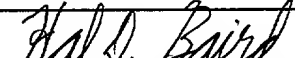
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL***Note: Effective October 1, 1997.  
Patent fees are subject to annual revision.***Complete If Known**

<b>Application Number</b>	
<b>Filing Date</b>	June 1, 2001
<b>First Named Inventor</b>	John N. Hait
<b>Group Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	2807.2.19

<b>TOTAL AMOUNT OF PAYMENT</b>	\$355.00
--------------------------------	----------

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																									
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number <input type="text"/> Deposit Account Name <input type="text"/> <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance		<b>3. ADDITIONAL FEES</b>																																																																																																																																																																																									
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																											
<b>FEE CALCULATION</b>																																																																																																																																																																																											
<b>1. FILING FEE</b>																																																																																																																																																																																											
<table><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>355</td></tr><tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (1)</b></td><td>355</td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	710	201	355	Utility filing fee	355	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1)</b>					355																																																																																																																																												
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
101	710	201	355	Utility filing fee	355																																																																																																																																																																																						
106	320	206	160	Design filing fee																																																																																																																																																																																							
107	490	207	245	Plant filing fee																																																																																																																																																																																							
108	710	208	355	Reissue filing fee																																																																																																																																																																																							
114	150	214	75	Provisional filing fee																																																																																																																																																																																							
<b>SUBTOTAL (1)</b>					355																																																																																																																																																																																						
<b>2. CLAIMS</b>																																																																																																																																																																																											
Total Claims <input type="text" value="20"/> - 20 = <input type="text" value="0"/> x <input type="text" value="9"/> = <input type="text" value="0"/>																																																																																																																																																																																											
Ind. Claims <input type="text" value="1"/> - 3 = <input type="text" value="0"/> x <input type="text" value="0"/> = <input type="text" value="0"/>																																																																																																																																																																																											
Multiple Dep. Claims <input type="text" value="0"/> x <input type="text" value="0"/> = <input type="text" value="0"/>																																																																																																																																																																																											
<table><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr><tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr><tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim</td><td></td></tr><tr><td>109</td><td>80</td><td>209</td><td>40</td><td>Reissue independent claims over original patent</td><td></td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (2)</b></td><td>\$355.00</td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim		109	80	209	40	Reissue independent claims over original patent		110	18	210	9	Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b>					\$355.00																																																																																																																																												
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
103	18	203	9	Claims in excess of 20																																																																																																																																																																																							
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																							
104	270	204	135	Multiple dependent claim																																																																																																																																																																																							
109	80	209	40	Reissue independent claims over original patent																																																																																																																																																																																							
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																							
<b>SUBTOTAL (2)</b>					\$355.00																																																																																																																																																																																						
		<b>3. ADDITIONAL FEES</b>																																																																																																																																																																																									
		<table><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th rowspan="2">Fee Description</th><th rowspan="2">Fee Paid</th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2520</td><td>147</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1840*</td><td>113</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>1890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1510</td><td>138</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - intentional</td><td></td></tr><tr><td>141</td><td>1240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1240</td><td>242</td><td>620</td><td>Utility issue fee</td><td></td></tr><tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1 129(a))</td><td></td></tr><tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR 1 129(b))</td><td></td></tr><tr><td colspan="5">Other fee (specify) _____</td><td></td></tr><tr><td colspan="5">Other fee (specify) _____</td><td></td></tr><tr><td colspan="5"><b>SUBTOTAL (3)</b></td><td></td></tr></tbody></table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2520	147	2520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1840*	113	1840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1390	218	695	Extension for reply within fourth month		128	1890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1510	138	1510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - intentional		141	1240	241	620	Petition to revive - unintentional		142	1240	242	620	Utility issue fee		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR 1 129(a))		149	710	249	355	For each additional invention to be examined (37 CFR 1 129(b))		Other fee (specify) _____						Other fee (specify) _____						<b>SUBTOTAL (3)</b>					
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																							
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																							
139	130	139	130	Non-English specification																																																																																																																																																																																							
147	2520	147	2520	For filing a request for reexamination																																																																																																																																																																																							
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																							
113	1840*	113	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																							
115	110	215	55	Extension for reply within first month																																																																																																																																																																																							
116	390	216	195	Extension for reply within second month																																																																																																																																																																																							
117	890	217	445	Extension for reply within third month																																																																																																																																																																																							
118	1390	218	695	Extension for reply within fourth month																																																																																																																																																																																							
128	1890	228	945	Extension for reply within fifth month																																																																																																																																																																																							
119	310	219	155	Notice of Appeal																																																																																																																																																																																							
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																							
121	270	221	135	Request for oral hearing																																																																																																																																																																																							
138	1510	138	1510	Petition to institute a public use proceeding																																																																																																																																																																																							
140	110	240	55	Petition to revive - intentional																																																																																																																																																																																							
141	1240	241	620	Petition to revive - unintentional																																																																																																																																																																																							
142	1240	242	620	Utility issue fee																																																																																																																																																																																							
143	440	243	220	Design issue fee																																																																																																																																																																																							
144	600	244	300	Plant issue fee																																																																																																																																																																																							
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																							
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																							
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																							
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																							
146	710	246	355	Filing a submission after final rejection (37 CFR 1 129(a))																																																																																																																																																																																							
149	710	249	355	For each additional invention to be examined (37 CFR 1 129(b))																																																																																																																																																																																							
Other fee (specify) _____																																																																																																																																																																																											
Other fee (specify) _____																																																																																																																																																																																											
<b>SUBTOTAL (3)</b>																																																																																																																																																																																											

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Hal D. Baird	Reg. Number	42,284
Signature		Deposit Account User ID	
Date	Jun 1, 2001		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: EL751290535US

Date of Deposit: June 1, 2001

I hereby certify that this patent application in the name of John N. Hait and Arkady S. Bablumyan for "PHOTONIC DATA STABILIZATION," together with thirty-one (31) sheets of drawings; transmittal letter; fee transmittal letter; and Check No. 2337 for \$355.00, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,



Hal D. Baird  
Reg. No. 42,284  
Attorney for Applicant

Date: June 1, 2001

PATE PIERCE & BAIRD  
Bank One Tower  
50 West Broadway, Suite 900  
Salt Lake City, Utah 84101  
Telephone: (801) 530-5090

09872381 060404  
TOTAL 78860